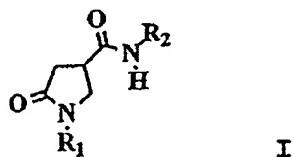


Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

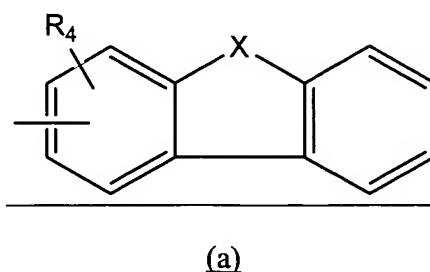
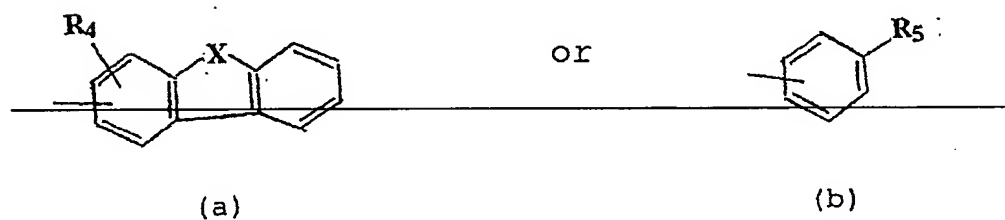
1. (currently amended): A pyrrolidonecarboxamide of the formula



in which

R^1 is phenyl which is optionally monosubstituted or disubstituted in the phenyl radical by alkyl, alkoxy, dialkylamino, halogen or trifluoromethyl; benzyl, phenylethyl or α -hydroxyphenylethyl; naphthyl or naphthylmethyl; ~~thienyl, furyl, pyridyl, 1-alkylpyrrolidin-2-yl, pyrrolidino or morpholino-alkyl;~~ or cycloalkyl which can optionally possess a fused-on benzene ring;

R^2 is a radical of the formula



X is ~~CH₂, CO, O or NR³-~~;

R³ is hydrogen or alkyl; and

R⁴ is hydrogen or alkoxy;

R⁵ is ~~phenyl, heteroalkyl, aryloxy, alkoxy, alkanoyl or NR⁶R⁷~~;

R⁶ is ~~hydrogen, alkyl, aralkyl, cycloalkylalkyl or alkoxy-carbonylalkyl~~; and

R⁷ is ~~aryl, heteroaryl, alkyl, hydroxyalkyl or acyl~~;

pharmaceutically utilizable acid addition salts of basic compounds of the formula I, pharmaceutically utilizable salts of acid compounds of the formula I with bases, pharmaceutically utilizable esters of compounds of the formula I which contain hydroxyl or carboxyl groups, and hydrates or solvates thereof.

2. (currently amended): A compound as claimed in claim 1, in which R¹ is phenyl, 4-tolyl, 2,5-dimethylphenyl, 2-isopropylphenyl, 3-methoxyphenyl, 2-methyl-5-methoxyphenyl, benzyl, 2-phenylethyl, ~~2-(2-pyridyl)ethyl, 2-(2-thienyl)ethyl, or 2-indanyl or 2-morpholinoethyl~~.

3. (currently amended): A compound as claimed in claim 1, in which R¹ is cycloheptyl, 2-hydroxy-2-phenylethyl, ~~2-thienylmethyl, 2-furanylmethyl~~, 4-chlorobenzyl, 3-fluorophenyl, 2,4-dimethoxybenzyl or 2-chlorobenzyl.

4. (currently amended): A compound as claimed in claim 1, in which R¹ is 2-naphthyl, naphthalen-1-ylmethyl, 4-dimethylaminophenyl, ~~2-pyrrolidin-1-ylethyl, 1-methylpyrrolidin-2-ylethyl~~, 4-isopropylphenyl or 3,5-bis(trifluoromethyl)phenyl.

5. (original): A compound as claimed in claim 1, in which R¹ is 2,5-dimethylphenyl, 2-isopropylphenyl or 2-methyl-5-methoxyphenyl.

6. (currently amended): A compound as claimed in claim 1, in which R² is biphenyl-4-yl, ~~4-methoxyphenyl, 4-phenoxyphenyl, 4-dimethylaminophenyl, 4-diethylaminophenyl, 4-phenylaminophenyl, 4-[N-ethyl-N-(2-hydroxyethyl)amino]phenyl, 4-(N-ethyl-N-~~

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~~isopropylamino)phenyl, 4-N-(4,6-dimethyl-2-pyrimidinyl)aminophenyl, 4-[N-ethyl-N-(4,6-dimethyl-2-pyrimidinyl)amino]phenyl, 4-[N-methyl-N-(4,6-dimethyl-2-pyrimidinyl)amino]phenyl, 4-acetylphenyl, 9H-fluoren-2-yl, 9-oxo-9H-fluoren-2-yl or 9-ethylcarbazol-3-yl.~~

7. (withdrawn): A compound as claimed in claim 1, in which R² is 4-(N-ethoxycarbonylmethyl-N-phenylamino)phenyl, 4-(N-ethyl-N-phenylamino)phenyl, 4-(N-methyl-N-phenylaminophenyl, 4-(N-cyclopropylmethyl-N-phenylamino)phenyl, 4-(N-isobutyl-N-phenylamino)phenyl, 4-(2-methoxybenzoylamino)phenyl, 4-(2,2-dimethylpropionylamino)phenyl, 4-(3-methylbutyrylamino)phenyl, 4-(cyclopropanecarbonylamino)phenyl, 4-(3-fluorobenzoylamino)phenyl or 4-[(furan-2-carbonyl)amino]phenyl.

8. (withdrawn): A compound as claimed in claim 1, in which R² is biphenyl-3-yl, 9H-fluoren-1-yl, 2-methoxydibenzofuran-3-yl, 4-(N-isopropyl-N-phenylamino)phenyl, 4-(N-benzyl-N-phenylamino)phenyl, 4-acetylaminophenyl, 4-benzoylamino)phenyl, 4-phenyl-acetylaminophenyl, 4-[(benzo[1,3]dioxole-5-carbonyl)amino]phenyl or 4-(4-methoxybenzoylamino)phenyl.

9. (withdrawn): A compound as claimed in claim 1, in which R² is 9-ethyl-9H-carbazol-3-yl, 4-[N-ethyl-N-(4,6-dimethyl-2-pyrimidinyl)amino]phenyl, 4-[N-methyl-N-(4,6-dimethyl-2-pyrimidinyl)amino]phenyl, 4-(4,6-dimethyl-2-pyrimidinyl)amino]phenyl, 4-phenylamino-phenyl, 4-diethylaminophenyl, 4-(N-ethyl-N-isopropylamino)phenyl, 4-(N-ethoxycarbonylmethyl-N-phenylamino)phenyl, 4-(N-ethyl-N-phenylamino)phenyl, 4-(N-methyl-N-phenylamino)phenyl or 2,4-dimethoxybenzyl.

10. (currently amended): A compound as claimed in claim 1, selected from the group consisting of:

rac. N-(9-Ethyl-9H-carbazol-3-yl)-5-oxo-1-(2-pyridin-2-ylethyl)pyrrolidine-3-carboxamide;
rac. N-(9-Ethyl-9H-carbazol-3-yl)-1-(2-hydroxy-2-phenylethyl)-5-oxopyrrolidine-3-carboxamide;

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~~rac. N-(4-Diethylaminophenyl)-1-(2,5-dimethylphenyl)-5-oxopyrrolidine-3-carboxamide;~~
~~rac. N-(9-Ethyl-9H-carbazol-3-yl)-5-oxo-1-(2-thiophen-2-ylethyl)pyrrolidine-3-carboxamide;~~
~~rac. N-(9-Ethyl-9H-carbazol-3-yl)-1-(4-chlorobenzyl)-5-oxopyrrolidine-3-carboxamide;~~
~~rac. N-(9-Ethyl-9H-carbazol-3-yl)-5-oxo-1-thiophen-2-ylmethylpyrrolidine-3-carboxamide;~~
~~rac. N-(9-Ethyl-9H-carbazol-3-yl)-1-furan-2-ylmethyl-5-oxopyrrolidine-3-carboxamide;~~
~~rac. N-(9-Ethyl-9H-carbazol-3-yl)-1-(2-isopropylphenyl)-5-oxopyrrolidine-3-carboxamide;~~
~~rac. N-(9-Ethyl-9H-carbazol-3-yl)-1-(5-methoxy-2-methylphenyl)-5-oxopyrrolidine-3-carboxamide;~~
~~rac. N-[4-(Ethylisopropylamino)phenyl]-1-(2,5-dimethylphenyl)-5-oxopyrrolidine-3-carboxamide;~~
~~rac. N-(9-Ethyl-9H-carbazol-3-yl)-5-oxo-1-phenethylpyrrolidine-3-carboxamide;~~
~~rac. Ethyl-[(4-[(1-(2,5-dimethylphenyl)-5-oxopyrrolidine-3-carbonyl]amino)phenyl]phenylamino]acetate;~~
~~rac. N-(9-Ethyl-9H-carbazol-3-yl)-1-cycloheptyl-5-oxopyrrolidine-3-carboxamide;~~
~~rac. N-[4-[(4,6-Dimethylpyrimidin-2-yl)ethylamino]phenyl]-1-(5-methoxy-2-methylphenyl)-5-oxopyrrolidine-3-carboxamide;~~
~~rac. N-[4-[Ethyl-(2-hydroxyethyl)amino]phenyl]-1-(2,5-dimethylphenyl)-5-oxopyrrolidine-3-carboxamide;~~
~~rac. N-[4-(Ethylphenylamino)phenyl]-1-(2,5-dimethylphenyl)-5-oxopyrrolidine-3-carboxamide;~~
~~rac. N-(9-Ethyl-9H-carbazol-3-yl)-1-(3-methoxyphenyl)-5-oxopyrrolidine-3-carboxamide;~~
~~rac. N-(9-Ethyl-9H-carbazol-3-yl)-1-(2-chlorobenzyl)-5-oxopyrrolidine-3-carboxamide;~~
~~rac. N-[4-(4,6-Dimethylpyrimidin-2-ylamino)phenyl]-1-(2,5-dimethylphenyl)-5-oxopyrrolidine-3-carboxamide;~~
~~rac. N-[4-[(4,6-Dimethylpyrimidin-2-yl)methylamino]phenyl]-1-(2,5-dimethylphenyl)-5-oxopyrrolidine-3-carboxamide;~~
~~rac. N-(9-Ethyl-9H-carbazol-3-yl)-5-oxo-1-phenylpyrrolidine-3-carboxamide;~~
~~rac. N-[4-[(4,6-Dimethylpyrimidin-2-yl)methylamino]phenyl]-5-oxo-1-p-tolylpyrrolidine-3-carboxamide;~~
~~rac. N-[4-(Isopropylphenylamino)phenyl]-1-(2,5-dimethylphenyl)-5-oxopyrrolidine-3-carboxamide;~~

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~~rac. N [4 (Ethylphenylamino)phenyl] 1 (2-isopropylphenyl) 5-oxopyrrolidine-3-carboxamide;~~

~~rac. N {4 [(4,6-Dimethylpyrimidin-2-yl)ethylamino]phenyl} 5-oxo-1 (2-pyridin-2-ylethyl)pyrrolidine-3-carboxamide;~~

~~rac. N [4 (4,6-Dimethylpyrimidin-2-ylamino)phenyl] 1 (2-isopropylphenyl) 5-oxopyrrolidine-3-carboxamide;~~

~~rac. N [4 (4,6-Dimethylpyrimidin-2-ylamino)phenyl] 1 (5-methoxy-2-methylphenyl) 5-oxopyrrolidine-3-carboxamide;~~

~~rac. N [4 (Methylphenylamino)phenyl] 1 (2,5-dimethylphenyl) 5-oxopyrrolidine-3-carboxamide;~~

~~rac. N [4 (Methylphenylamino)phenyl] 1 (2-isopropylphenyl) 5-oxopyrrolidine-3-carboxamide;~~

rac. N-(9-Ethyl-9H-carbazol-3-yl)-1-(4-isopropylphenyl)-5-oxopyrrolidine-3-carboxamide;

rac. N-(9-Ethyl-9H-carbazol-3-yl)-1-(3-fluorophenyl)-5-oxopyrrolidine-3-carboxamide;

rac. N (4-Phenylaminophenyl) 1 (2,5-dimethylphenyl) 5-oxopyrrolidine-3-carboxamide;

~~rac. N [4 (4,6-Dimethylpyrimidin-2-ylamino)phenyl] 1-indan-2-yl 5-oxopyrrolidine-3-carboxamide;~~

~~rac. N [4 (Ethylphenylamino)phenyl] 1 (5-methoxy-2-methylphenyl) 5-oxopyrrolidine-3-carboxamide;~~

~~rac. N {4 [(4,6-Dimethylpyrimidin-2-yl)methylamino]phenyl} 1 (2-isopropylphenyl) 5-oxopyrrolidine-3-carboxamide;~~

rac. N-(9-Ethyl-9H-carbazol-3-yl)-1-benzyl-5-oxopyrrolidine-3-carboxamide;

~~rac. N [4 (4,6-Dimethylpyrimidin-2-ylamino)phenyl] 5-oxo-1-p-tolylpyrrolidine-3-carboxamide;~~

rac. N-(9-Ethyl-9H-carbazol-3-yl)-1-indan-2-yl-5-oxopyrrolidine-3-carboxamide;

~~rac. N {4 [(4,6-Dimethylpyrimidin-2-yl)ethylamino]phenyl} 1 (2-hydroxy-2-phenylethyl) 5-oxo-pyrrolidine-3-carboxamide;~~

rac. N (Biphenyl-4-yl) 1 (2,5-dimethylphenyl) 5-oxopyrrolidine-3-carboxamide;

~~rac. N [4 (Cyclopropylmethylphenylamino)phenyl] 1 (5-methoxy-2-methylphenyl) 5-oxopyrrolidine-3-carboxamide;~~

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~~rac. N [4 (Isopropylphenylamino)phenyl] 1 (2-isopropylphenyl) 5-oxopyrrolidine 3-carboxamide;~~
~~rac. N (4-Phenylaminophenyl) 1 (2-isopropylphenyl) 5-oxopyrrolidine 3-carboxamide;~~
~~rac. N {4 [(4,6-Dimethylpyrimidin-2-yl)methylamino]phenyl} 1 (5-methoxy-2-methylphenyl) 5-oxopyrrolidine 3-carboxamide;~~
~~rac. N {4 [(4,6-Dimethylpyrimidin-2-yl)ethylamino]phenyl} 1 (3-methoxyphenyl) 5-oxopyrrolidine 3-carboxamide;~~
~~rac. N {4 [(4,6-Dimethylpyrimidin-2-yl)methylamino]phenyl} 5-oxo-1-m-tolylpyrrolidine 3-carboxamide;~~
~~rac. N [4 (Cyclopropylmethylphenylamino)phenyl] 1 (2,5-dimethylphenyl) 5-oxopyrrolidine 3-carboxamide;~~
~~rac. N {4 [(4,6-Dimethylpyrimidin-2-yl)ethylamino]phenyl} 1 (2-isopropylphenyl) 5-oxopyrrolidine 3-carboxamide;~~
~~rac. Ethyl [(4-{[1 (5-methoxy-2-methylphenyl) 5-oxopyrrolidine 3-carbonyl]amino}phenyl)phenylamino]acetate;~~
~~rac. N [4 (Cyclopropylmethylphenylamino)phenyl] 1 (2-isopropylphenyl) 5-oxopyrrolidine 3-carboxamide;~~
~~rac. N [4 (Ethylphenylamino)phenyl] 1-indan-2-yl 5-oxopyrrolidine 3-carboxamide; and~~
~~rac. N [4 (Isobutylphenylamino)phenyl] 1 (2-isopropylphenyl) 5-oxopyrrolidine 3-carboxamide.~~
or a pharmaceutically acceptable salt of such a compound.

11. (currently amended): A compound as claimed in claim 1, selected from the group consisting of:

~~rac. N [4 (2-Methoxybenzoylamino)phenyl] 1 (2,5-dimethylphenyl) 5-oxopyrrolidine 3-carboxamide;~~
~~rac. N [4 (2,2-Dimethylpropionylamino)phenyl] 1 (2,5-dimethylphenyl) 5-oxopyrrolidine 3-carboxamide;~~
~~rac. N-(9-Ethyl-9H-carbazol-3-yl)-1-(2-morpholin-4-ylethyl)-5-oxopyrrolidine-3-carboxamide;~~
~~rac. N-(9-Ethyl-9H-carbazol-3-yl)-5-oxo-1-p-tolylpyrrolidine-3-carboxamide; and~~

rac. N-(9-Ethyl-9H-carbazol-3-yl)-1-(2,4-dimethoxybenzyl)-5-oxopyrrolidine-3-carboxamide,
or a pharmaceutically acceptable salt of such a compound.

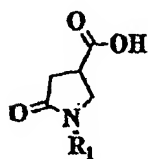
12. (withdrawn): A compound as claimed in claim 1, selected from the group consisting of:
rac. N-[4-(4,6-Dimethylpyrimidin-2-ylamino)phenyl]-1-(4-dimethylaminophenyl)-5-oxopyrrolidine-3-carboxamide; and
rac. N-[4-(4,6-Dimethylpyrimidin-2-yl)methylaminophenyl]-1-(4-dimethylaminophenyl)-5-oxopyrrolidine-3-carboxamide.

13. (withdrawn): A compound as claimed in claim 1 for use as a therapeutic active compound.

14. (currently amended): A pharmaceutical composition comprising a galenic administration form which comprises a compound as claimed in claim 1 or a pharmaceutically acceptable salt of such a compound.

15. (withdrawn): The use of compounds as claimed in claim 1 for preventing or treating arthritis, diabetes and, especially, eating disturbances and obesity, or for producing corresponding pharmaceuticals.

16. (withdrawn): A process for preparing compounds as claimed in claim 1, characterized in that a pyrrolidinecarboxylic acid of the formula



III

in which R^1 has the meaning given in claim 1, or a reactive derivative thereof, is reacted with an amine of the formula



in which R^2 has the meaning given in claim 1, or a reactive derivative thereof, and, if desired, a stereoisomeric mixture which may possibly be obtained is resolved.

17. (withdrawn): A process for preparing compounds of the formula I defined in claim 1, in which R^2 is a radical of the formula (b), R^5 is $-\text{NR}^6\text{R}^7$ and R^7 is acyl, characterized in that a corresponding compound, in which, however, R^7 is hydrogen, is acylated and, if desired, a stereoisomeric mixture which may possibly be obtained is resolved.

18. (withdrawn): A compound of the formula IV defined in claim 16, or a corresponding nitro precursor, selected from:

Ethyl [(4-nitrophenyl)phenylamino]acetate;
Ethyl [(4-aminophenyl)phenylamino]acetate;
Cyclopropylmethyl(4-nitrophenyl)phenylamine;
N-Cyclopropylmethyl-N-phenylphenylene-1,4-diamine;
Isobutyl(4-nitrophenyl)phenylamine;
N-Isobutyl-N-phenylphenylene-1,4-diamine;
Ethyl [(4-nitrophenyl)phenylamino]pentanoate;
Ethyl [(4-aminophenyl)phenylamino]pentanoate;
Benzyl(4-nitrophenyl)phenylamine; and
N-Benzyl-N-phenylphenylene-1,4-diamine.

19. (withdrawn): A compound of the formula III defined in claim 16, selected from:

rac. 1-Indan-2-yl-5-oxopyrrolidine-3-carboxylic acid;
rac. 1-Naphthalen-2-yl-5-oxopyrrolidine-3-carboxylic acid;

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rac. 1-(5-Methoxy-2-methylphenyl)-5-oxopyrrolidine-3-carboxylic acid;

rac. 5-Oxo-1-(2-pyridin-2-ylethyl)pyrrolidine-3-carboxylic acid;

rac. 1-Cycloheptyl-5-oxopyrrolidine-3-carboxylic acid;

rac. 1-(2-Hydroxy-2-phenylethyl)-5-oxopyrrolidine-3-carboxylic acid;

rac. 5-Oxo-1-(2-pyrrolidin-1-ylethyl)pyrrolidine-3-carboxylic acid;

rac. 1-[2-(1-Methylpyrrolidin-2-yl)ethyl]-5-oxopyrrolidine-3-carboxylic acid; and

rac. 1-(3-Fluorophenyl)-5-oxopyrrolidine-3-carboxylic acid.